

HiFLUX

High Pressure Valves & Fittings





Passion for a high-pressure future, constant challenge and innovation

HIFLUX Co., Ltd. has been recognized for its technological prowess by successfully producing various of high-pressure piping materials that are difficult to manufacture domestically through continuous R&D and facility investment to open up new markets in the ultra-high pressure piping materials sector.

Based on differentiated technological prowess and price competitiveness compared to overseas manufacturers in Europe and the United States, it is growing into a global brand by concluding OEM supply contracts with domestic OEM suppliers and overseas global waterjet manufacturers.

In addition, in order to open up new markets, we have developed air-operated valves, high-pressured pressure regulators, back pressure regulators, and other fittings for various purposes and pressure-specific accessories, and now our products are being applied to mass production facilities in various industries.

Expanding R&D investment to achieve carbon neutrality

In order to contribute to carbon neutrality, HIFLUX has researched and developed manual valves for hydrogen refueling stations with pure domestic capital and technology, obtained KS certification, and is currently being supplied to hydrogen refueling station plant sites. It is also developing check valves and pneumatic valves (AOV) KS propulsion and valves for liquefied hydrogen.

In addition, based on its technology related to high-pressure piping for hydrogen refueling stations, it was selected as a hydrogen specialized company by the Ministry of Trade, Industry and Energy in 2024. We will continue to do our best to contribute to the development of the hydrogen industry through steady investment and marketing.

We will always listen to our customers' voices and contribute to productivity and quality improvement through continuous product improvement and service provision, and strive to become HIFLUX that can grow and develop together with our customers.

Thank you.

HIFLUX Co., Ltd. | CEO 

Overview

Company name	HIFLUX Co., Ltd.	CEO	Kim Hyeon Hyo
Date of Establishment	May 26, 2010	Business Area	Various valves, hydraulic equipment, pumps, etc
Address	(34037) Da Dong, 361-33, Gapcheon-ro, Yuseong-gu, Daejeon, Republic of Korea	Telephone	+82 042-933-5670 (Extension number 1.Technical Sales Department 2.Design Department 3.Public Relations Department 4.Purchasing Department 5.Production Department)
E-mail	Technical Sales Dept : sales@hiflux.com Promotion Dept : min@hiflux.com	Main Product	Needle Valve, Check Valve, Ball Valve, Relief Valve, Air Operated Valve, High-Temp Valve, Control Valve, Fitting, Fitting Accessory, Tube, Nipple, Regulator, Union, Adapter, Tube Support, Radiating Pipe, Pressure Gauge, Tooling Set, Lok Type Products

HIFLUX HISTORY

2024.05. Selected as a 'Hydrogen Specialist Company' by Government
 2023.10. Acquired 'KS certification for manual valve for hydrogen refueling station' by KGS
 2023.05. KS Q ISO 45001 certification
 2023.05. Selected as a 2023 HIFLUX Small Giant Company
 2021.08. Patent (Double-sealed check valve) acquired
 2021.07. Received a commendation from KGS
 2021.03. Patent (High-pressure valve) acquired
 2020.07. 'Material/Component/Equipment Specialist Company Confirmation' acquired
 2020.07. Patent (High-temperature/high-pressure valve) acquired
 2020.06. R&D (Valve and fittings for H70 hydrogen refueling stations)
 2020.04. Patent (Valves including stem carriers) acquired
 2020.02. 2 types of valve patents acquired
 2019.01. Joined the Korea Hydrogen Industry Association
 2018.09. Moved to new headquarters and factory in Daedeok Techno Valley
 2018.08. Acquired 'Venture Business Certification' from the Technology Guarantee Fund
 2018.02. HIFLUX acquired European Standard Certification (CE)
 2016.09. Self-developed 3 types of high-pressure valves
 2016.04. Self-developed high-pressure Trunnion Ball Valve
 2015.11. Self-developed high-pressure relief valve
 2015.11. Factory expansion
 2015.10. High pressure manifold block, high pressure ball valve self-development
 2015.08. High pressure relief valve, high pressure needle valve self-development
 2014.07. Corporate research institute certification
 2013.10. KS Q ISO 9001 certification, KS I ISO 14001 certification
 2010.05. Establishment of HIFLUX

Certification Patents



Certificate of Hydrogen Specialist Company



KS Certificate of Needle valve for Hydrogen Station



ISO 9001, 14001, 45001 (Quality, Environment, Health)



CE Certifications



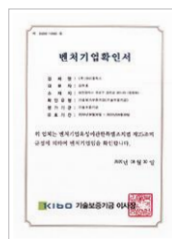
Certificate of Corporate Research Institute



Certificate of Small and Medium Enterprise



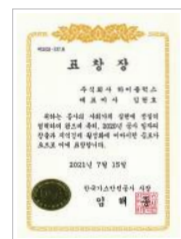
Certificate of Materials/Parts/Equipment Specialist Enterprise



Certificate of Venture Enterprise



Hydrogen Association Membership Card



Gas Safety Corporation Award



Patent Certificate / Trademark Registration Certificate

Pressure Gauge

Pressure gauge for precise measurement and multi-purpose use



A type
62mm/100mm



TECSIS - A Type
63mm/100mm



J Type
60mm/100mm



TECSIS - J Type
63mm/100mm



Features

- Excellent corrosion resistance against external condition changes
- Used for high-precision pressure gauges using Stainless Steel
- Suitable to use under the high mechanical vibration environment
- better performance and high durability
- Possible to vibration suppression with using oil
- Can be used in various fields such as chemical, oil refining, research, oil, and gas industries

	Bottom connection direct		Bottom connection, Flush	
Catalog No & Pressure Range	HI60A4c-20	0~20 kgf/cm ²	HI60J4c-35	0~35 kgf/cm ²
	HI60A4c-50	0~50 kgf/cm ²	HI60J4c-100	0~100 kgf/cm ²
	HI60A4c-150	0~150 kgf/cm ²	HI60J4c-250	0~250 kgf/cm ²
	HI60A4c-250	0~250 kgf/cm ²	HI60J4c-500	0~500 kgf/cm ²
	HI60A4c-500	0~500 kgf/cm ²	HI60J4c-1000	0~1000 kgf/cm ²
	HI60A4c-1000	0~1000 kgf/cm ²		
Outside Diameter	62mm	100mm	60mm	100mm
Connection thread	NPT 1/4"	PF 3/8"	NPT 1/4"	PF 3/8"
Accuracy	±1.5%			
Type	Bottom Connection direct-A type		Bottom connection, Flush-J Type	
Temperature	with glycerin : -5 ~ 55℃ / with silicone oil : -25~55℃ / No oil filled : -40~200℃			
Case	304SS			
Cover	whole-steel			
Movement	304SS			
Pointer	Black Aluminum			
Element & Socket	Organic glass		Flat glass	
Window	Black electrophoresis manganese steel belt			
Ductility	-0.1~0.06MPa ~ -0.1~2.4Mpa			
Vacuum	-0.1MPa~0			

Thermocouples

High Pressure Thermocouple Temperature Sensor - Thermocouple Temperature Sensor 60,000 psi



HIFLUX Thermocouple (temperature sensor) is connected to a fitting in a high-pressure environment, and the sensor part comes into contact with the fluid to measure the temperature. It can be connected directly to a port to measure the temperature.

Features

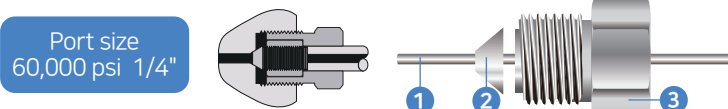
- Port size: All ports available
- Sensor length negotiable
- Can be used directly on the port (Cone & Thread method) without the need for separate parts

Minimum assembly torque 700kgf·cm

Specification

- Pressure : 60,000 psi
- Measuring range : -100°C ~ 500°C
- Material : STS316CW, STS630
- Sensor type : K Type
- Sensor size : Ø1, Ø1.6
- Sensor length : 150mm

Inside the product



No	1	2	3
DESCRIPTION	Sensor	Sleeve	Gland



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